

RTS2 – past, present, future

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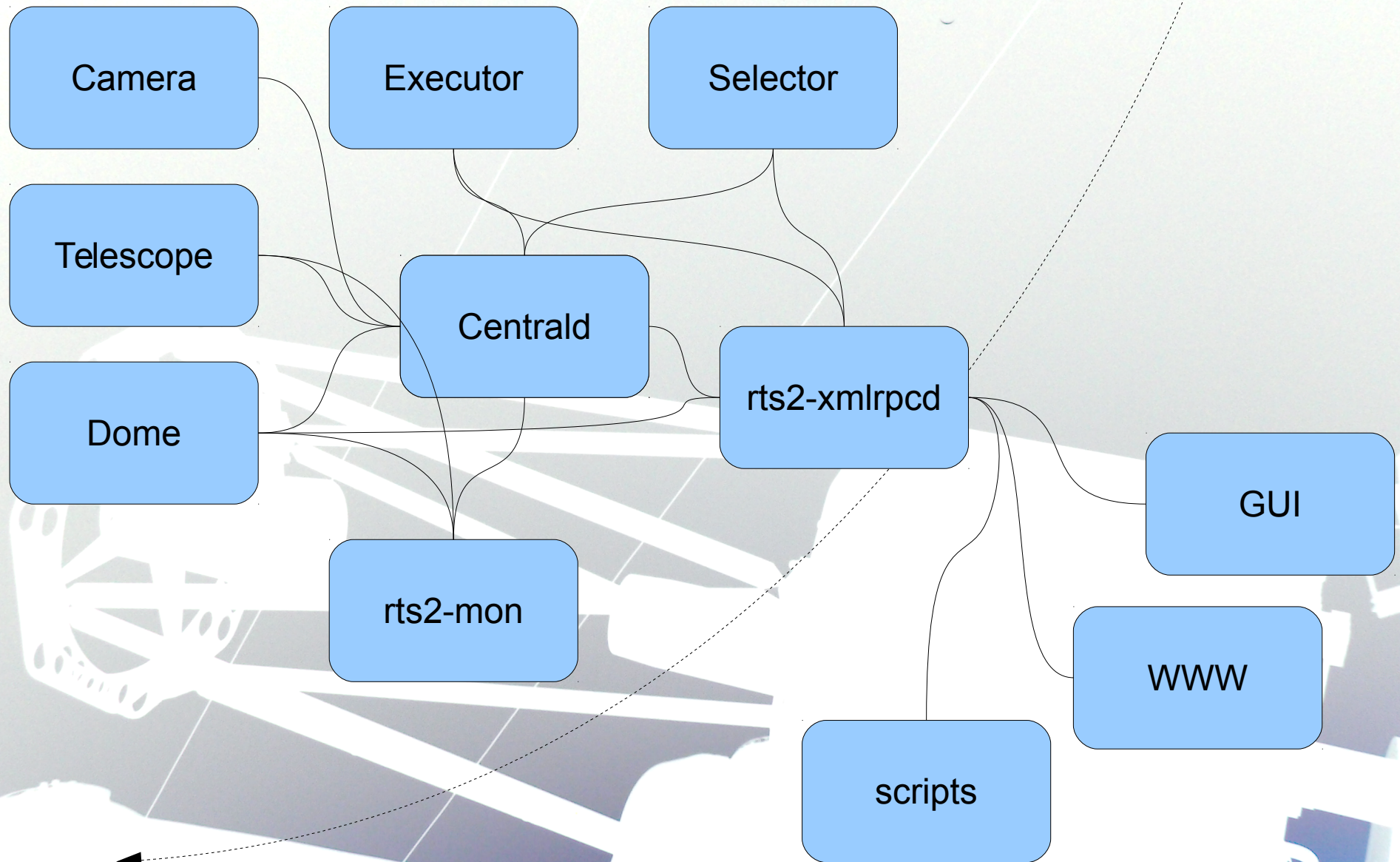
<http://rts2.org>

BNL, March 2017

RTS2

- Remote Telescope System, 2nd version
- Modular
- Own TCP/IP protocol
- C++/Python
- Linux/Unix
- Being developed for more than a decade
- Open source
- > 20 telescopes running it

Observatory



History of RTS2 telescopes

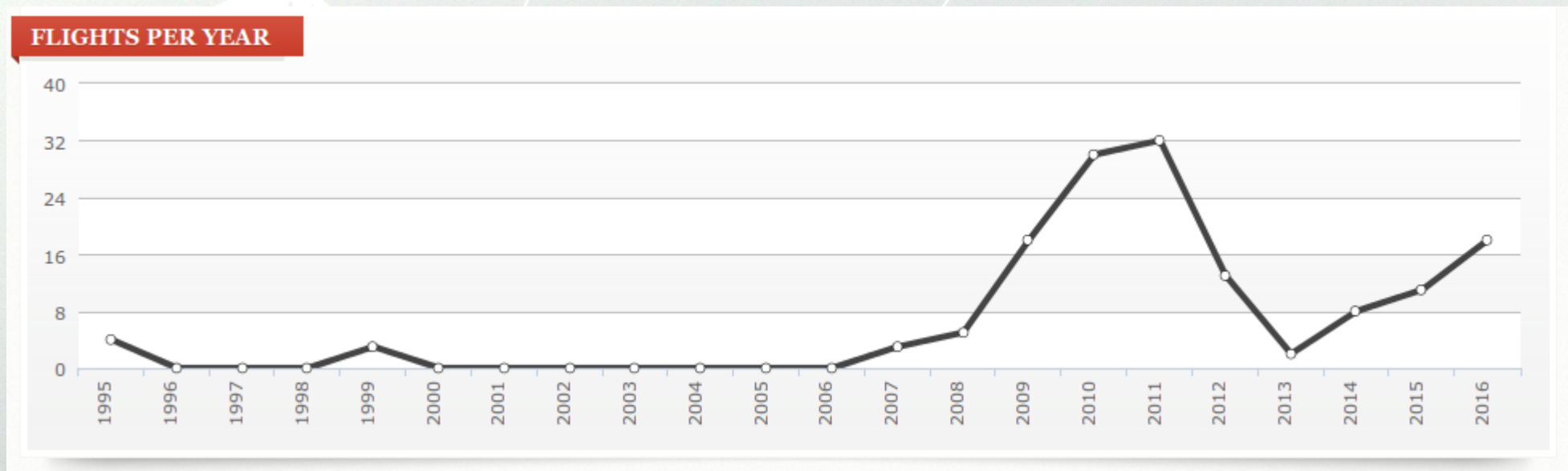
- BART (1999-)
 - Ondřejov, originally 30cm Meade donated by ESA
 - Currently Gemini
- Bootes 1 (2002-)
 - Originally Meade
 - Now Paramount
- Bootes 2 (2002-)
 - Originally Meade
 - Now ASTELCO 60cm

Oversee deployments

- FRAM (2005?-)
 - Originally Gemini, now Paramount
- Watcher (2004?-)
 - Originally LX200 clone, now Paramount
- Bootes 3 (2009-)
 - ASTELCO 60cm
- Bootes 4 (2012-)
 - ASTELCO 60cm

Recent updates

- Something happened after 2011..



From 2014 to 2016

- Code moved to GitHub
- Few patches & merge requests
- ESA Cebreros running on RTS2
- Gpoint telescope model fit
- IRAIT drivers
- Alt-Az drivers for 1m SAAO
 - Working, with pointing model

From 2014 to 2016

- Lots of improvements into pointing
 - Gpoint telescope pointing implementation
- AzCam drivers
- TCNSG driver
- Already running Kuiper 61" for few nights
- Malaga 2015 conference
- New telescopes projects (more than few...)

Future..

- I changed to start again working full time in Academia (after experience with Porsche Engineering and gas station control software)
- Gpoint improvements
- Websockets implementation
- BB (Big Brother) developments
- Stability issues
- Code simplification
- Andor driver improvements